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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/808,391	03/25/2004	Koji Hirata	500.43698X00	5517		
20457	7590 02/24/2005		EXAM	EXAMINER		
	LI, TERRY, STOUT &	DOWLING, WILLIAM C				
1300 NORTI SUITE 1800	H SEVENTEENTH STRE	ART UNIT	PAPER NUMBER			
ARLINGTO	N, VA 22209-9889	2851				
			DATE MAILED: 02/24/2005	5		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applicati	on No.	Applicant(s)				
Office Action Summary		10/808,3	91	HIRATA ET AL.				
		Examine	r	Art Unit				
		William C	. Dowling	2851				
	The MAILING DATE of this communication	appears on th	e cover sheet with the c	orrespondence ac	Idress			
Period fo	or Reply				•			
THE - Exte after - If the - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR RE MAILING DATE OF THIS COMMUNICATIOnsions of time may be available under the provisions of 37 CFF SIX (6) MONTHS from the mailing date of this communication period for reply specified above is less than thirty (30) days, a period for reply is specified above, the maximum statutory perior to reply within the set or extended period for reply will, by streply received by the Office later than three months after the med patent term adjustment. See 37 CFR 1.704(b).	ON. R 1.136(a). In no ev reply within the sta riod will apply and v atute, cause the app	rent, however, may a reply be tim tutory minimum of thirty (30) days rill expire SIX (6) MONTHS from plication to become ABANDONEI	nely filed s will be considered time the mailing date of this c O (35 U.S.C. § 133).	ly. ommunication.			
Status								
1) 💢	Responsive to communication(s) filed on 2	5 March 2004						
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposit	ion of Claims							
4)⊠ 5)□ 6)⊠	 Claim(s) 1-20 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. Claim(s) is/are allowed. Claim(s) 1-4,9-11,13-15 and 17-19 is/are rejected. Claim(s) 5-8,12,16 and 20 is/are objected to. 							
Applicati	ion Papers							
9)[The specification is objected to by the Exam	niner.						
,	10)⊠ The drawing(s) filed on <u>25 March 2004</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.							
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
11)	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority (ınder 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) □ All b) □ Some * c) □ None of: 1. □ Certified copies of the priority documents have been received. 2. □ Certified copies of the priority documents have been received in Application No 3. □ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.								
Attachmen	t(s)							
	e of References Cited (PTO-892)		4) Interview Summary					
3) 🛭 Infor	ee of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB or No(s)/Mail Date <u>32504/11804</u> .		Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:		O-152)			

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DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 13 are rejected under 35 U.S.C. 102(b) as being by clearly anticipated by JP 2001-186539.

JP 2001-186539 a color control circuit for use in a full color projection device having three LCD modulators wherein a portion of a red image signal of amplitude 1/N is added to the signal controlling the blue element. See figure 1 for the control circuit and Figure 16 for the type of optical system utilizing it.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior

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art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

3. Claims 2-4, 14-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over JP 2001-186539 in view of Mukawa et al.

JP 2001-186539 teaches the invention substantially as claimed but lacking a complete translation does not teach the properties of the light source.

As set forth in the specification and in Mukawa et al. UHP mercury lamps suffer from a lack of intensity in the red regions. Such lamps are commonly used in image projection devices and as such would have been an obvious choice for use in the system in JP 2001-186539.

4. Claims 9-11, 17-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over JP 2001-186539 in view of Gale et al. and Mukawa et al.

JP 2001-186539 teaches the invention substantially as claimed but does not teach the addition of a mirror for projecting light from the projection lens.

Full color rear projection systems are know in the art.

Gale et al. teaches such a system having plural image displays in combination with a reflector for folding the optical path from a projection lens.

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It would have been obvious to one skilled in the art at the time of the invention to utilize the projector disclosed in JP 2001-186539 within a rear projection system to improve color purity in rear projection devices.

As set forth in the specification and in Mukawa et al. UHP mercury lamps suffer from a lack of intensity in the red regions. Such lamps are commonly used in image projection devices and as such would have been an obvious choice for use in the system in JP 2001-186539.

Allowable Subject Matter

5. Claims 5-8, 12, 16, 20 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William C. Dowling whose telephone number is 571-272-2116. The examiner can normally be reached on MON-TUES, THURS-FRI.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Judy Nguyen can be reached on 571-272-2258. The fax phone number for the

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organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

William C. Dowlin Primary Examiner Art Unit 2851

wcd